

PATENTS ABSTRACTS OF JAPAN

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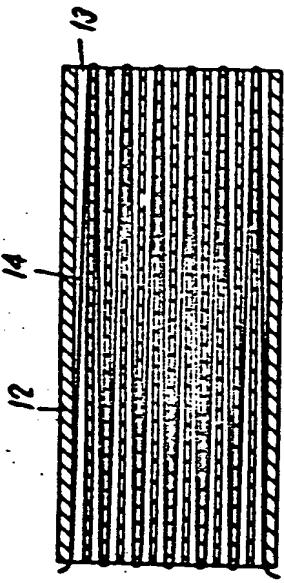
(54) CATALYST FOR REFORMING HYDROCARBON

(11) 58-219945 (A) (43) 21.12.1983 (19) JP

(21) Appl. No. 57-103226 (22) 15.6.1982

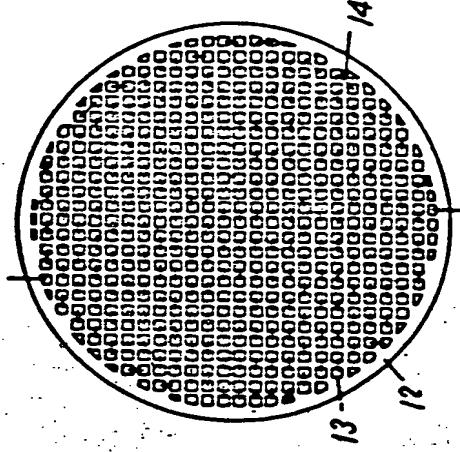
(71) MATSUSHITA DENKI SANGYO K.K. (72) KENJI TABATA(1)

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PURPOSE: To uniformly heat a catalyst in reduced energy within a short time, in reforming hydrocarbon by using a catalyst, by heating a catalyst formed from a porous inorg. heat resistant material by heaters provided in the orifices of said catalyst.

CONSTITUTION: Hydrocarbon is mixed with water or air to be reformed to an inorg. gas based on hydrogen and carbon dioxide by a reforming catalyst. In this case, as a catalyst to be used, one obtained by supporting a metal such as Ni, Co, Fe or a platinum group metal by a catalyst carrier 12 formed by molding an inorg. heat resistant material into a cylindrical form comprising a multilayered thin wall having a grid like cross area is used. Wire like electric heaters 14 are inserted into plural orifices of this catalyst. In generating hydrocarbon reforming reaction, because a current is supplied to said heaters to directly heat the catalyst, said catalyst is uniformly heated to a reforming reaction initiating temp. without irregularity in reduced electric power within a short time.



LEGENDE zu den Bibliographiedaten

(54) Titel der Patentanmeldung

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